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🔍 Title: **JP2000345041A2: COMPOSITION FOR FORMING FILM, PRODUCTIC
COMPOSITION FOR FORMING FILM, AND MATERIAL FOR FORMING
INSULATION FILM**

🔍 Derwent Title: Composition for film formation for production of semiconductors,
comprises a product of hydrolysis and condensation obtained by
hydrolyzing and condensing organosilicon compound(s) [\[Derwent Record\]](#)

🔍 Country: **JP Japan**🔍 Kind: **A2 Document Laid open to Public inspection i**

🔍 Inventor: **NISHIKAWA MICHINORI;
TSUNODA MAYUMI;
INOUE YASUTAKE;
YAMADA KINJI;**

🔍 Assignee: **JSR CORP**
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🔍 Published / Filed: **2000-12-12 / 1999-06-04**

🔍 Application
Number: **JP1999000158674**

🔍 IPC Code: **C08L 83/04; C08K 5/06; H01L 21/312; H01L 21/316;**🔍 Priority Number: **1999-06-04 JP1999000158674**

🔍 Abstract: **PROBLEM TO BE SOLVED:** To obtain a composition having improved storage stability and giving a film improved in uniformity, permittivity, and leak current characteristics by selecting a composition containing a hydrolyzate of a silane compound or a condensate of the hydrolyzate and having a specified propylene glycol content.

SOLUTION: This composition contains at least either of a hydrolyzate and/or a condensate selected from a compound of formula I and a compound of formula II and a solvent of formula III of a purity of 99% (as measured by gas chromatography) and has a propylene glycol content of 10,000 ppm or below. In the formula, R1 is H, F, or a monovalent organic group; R2 to R6 are each a monovalent organic group; a, b, and c are each 0-2; R7 is O or - (CH2)n-; in formula II, n is 1-6; d is 0 or 1; R8 and R9 are each a monovalent organic group selected from H, a 1-4C alkyl, and CH3CO-; and e is 1-2. The composition desirably has an iron content and a sodium content each of which is 15 ppb or below and may contain a β -diketone, a compound having a polyalkylene oxide structure, or the like.

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|---|--------------------------------|------------|------------|--|
|  | US6376634 | 2002-04-23 | 2000-06-02 | Composition for film formation and ma insulating film formation |
| <input checked="" type="checkbox"/> | JP2001164113A2 | 2001-06-19 | 1999-12-13 | COMPOSITION FOR FILM FORMATI MATERIAL FOR FORMING INSULAT |
| <input checked="" type="checkbox"/> | JP2000345041A2 | 2000-12-12 | 1999-06-04 | COMPOSITION FOR FORMING FILM PRODUCTION OF COMPOSITION FO FORMING FILM, AND MATERIAL FO FORMING INSULATION FILM |
|  | EP1058274B1 | 2005-07-27 | 2000-05-31 | Composition for film formation and ma insulating film formation |
|  | EP1058274A1 | 2000-12-06 | 2000-05-31 | Composition for film formation and ma insulating film formation |
| | DE60021476C0 | 2005-09-01 | 2000-05-31 | Beschichtungszusammensetzung für c Filmherstellung und Material für isolier Schichten |
| 6 family members shown above | | | | |

Other Abstract
Info:CHEMABS 134(03)030163H [DERABS C2001-204180](#)

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